

# EUROPEAN PATENT OFFICE

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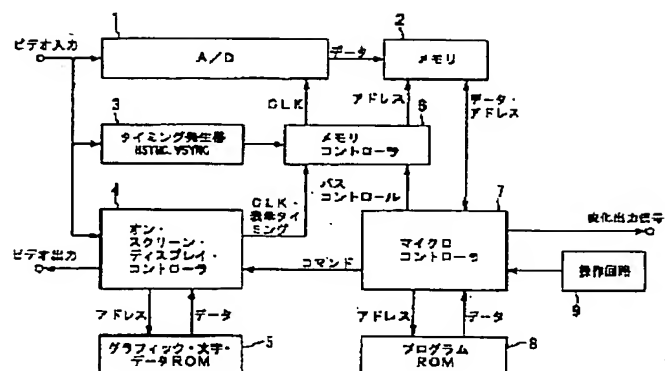
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TITLE : METHOD FOR DETECTING VIDEO  
SIGNAL LUMINANCE DIFFERENCE  
DISTRIBUTION CHANGE AND  
DETECTOR THEREFOR



ABSTRACT : PROBLEM TO BE SOLVED: To provide a video signal brightness difference distribution change detector which is capable of automatically detecting the presence or absence of the change of a monitoring object by a simple constitution.

SOLUTION: In a first memory 2, an image to be a reference (reference image) is preliminarily stored, and the actual image of a place to be the monitoring object is stored via an h/D converter 1 and the actual image is made to be displayed on a monitoring device via an on-screen display control 4. By an operation circuit 9, a range to be monitored can be set on a monitor screen. In a microcontroller 7, the luminance difference for every picture element is calculated between the reference image and the actual image for every range and the distribution state is made to be determined. When the change of the distribution state which is more than a prescribed change is detected, a change output signal is made to be outputted.

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